

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/584,367  
Source: 1FWP  
Date Processed by STIC: 7/7/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



IFWP

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/584,367

DATE: 07/07/2006

TIME: 14:40:11

Input Set : N:\KEISHA\10584367.txt

Output Set: N:\CRF4\07072006\J584367.raw

3 <110> APPLICANT: Imperial College Innovations Limited  
 W--> 4 <120> TITLE OF INVENTION: Vaccines  
 7 <130> FILE REFERENCE: ICOBW/P32315PC  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/584,367  
 C--> 9 <141> CURRENT FILING DATE: 2006-06-23  
 11 <150> PRIOR APPLICATION NUMBER: 0330007.6  
 W--> 12 <151> PRIOR FILING DATE: 23/12/03  
 14 <160> NUMBER OF SEQ ID NOS: 56  
 16 <170> SOFTWARE: SeqWin99

"Vaccines" does not  
 match invention title  
 on CD label (attached)  
 for official U.S. application  
 this file reference does not match  
 docket  
 number  
 date

Does Not Comply  
 Corrected Diskette Needed

see pp 1-2, 4-5

## ERRORED SEQUENCES

2964 <210> SEQ ID NO: 56  
 2965 <211> LENGTH: 305  
 2966 <212> TYPE: PRT  
 2967 <213> ORGANISM: Neisseria meningitidis serogroup B NMB1583 protein

## sequence

2969 <400> SEQUENCE: 56  
 2970 Met Asn Leu Thr Lys Thr Gln Arg Gln Leu His Asn Phe Leu Thr Leu  
 2971 1 5 10 15  
 2973 Ala Gln Glu Ala Gly Ser Leu Ser Lys Leu Ala Lys Leu Cys Gly Tyr  
 2974 20 25 30  
 2976 Arg Thr Pro Val Ala Leu Tyr Lys Leu Lys Gln Arg Leu Glu Lys Gln  
 2977 35 40 45  
 2979 Ala Glu Asp Pro Asp Ala Arg Gly Ile Arg Pro Ser Leu Met Ala Lys  
 2980 50 55 60  
 2982 Leu Glu Lys His Thr Gly Lys Pro Lys Gly Trp Leu Asp Arg Lys His  
 2983 65 70 75 80  
 2985 Arg Glu Arg Thr Val Pro Glu Thr Ala Ala Glu Ser Thr Gly Thr Ala  
 2986 85 90 95  
 2988 Glu Thr Gln Ile Ala Glu Thr Ala Ser Ala Ala Gly Cys Arg Ser Val  
 2989 100 105 110  
 2991 Thr Val Asn Arg Asn Thr Cys Glu Thr Gln Ile Thr Val Ser Ile Asn  
 2992 115 120 125  
 2994 Leu Asp Gly Ser Gly Lys Ser Arg Leu Asp Thr Gly Val Pro Phe Leu  
 2995 130 135 140  
 2997 Glu His Met Ile Asp Gln Ile Ala Arg His Gly Met Ile Asp Ile Asp  
 2998 145 150 155 160  
 3000 Ile Ser Cys Lys Gly Asp Leu His Ile Asp Asp His His Thr Ala Glu  
 3001 165 170 175  
 3003 Asp Ile Gly Ile Thr Leu Gly Gln Ala Ile Arg Gln Ala Leu Gly Asp  
 3004 180 185 190  
 3006 Lys Lys Gly Ile Arg Arg Tyr Gly His Ser Tyr Val Pro Leu Asp Glu

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/584,367

DATE: 07/07/2006

TIME: 14:40:12

Input Set : N:\KEISHA\10584367.txt

Output Set: N:\CRF4\07072006\J584367.raw

3007		195					200					205					
3009	Ala	Leu	Ser	Arg	Val	Val	Ile	Asp	Leu	Ser	Gly	Arg	Pro	Gly	Leu	Val	
3010		210					215					220					
3012	Tyr	Asn	Ile	Glu	Phe	Thr	Arg	Ala	Leu	Ile	Gly	Arg	Phe	Asp	Val	Asp	
3013	225						230				235				240		
3015	Leu	Phe	Glu	Glu	Phe	Phe	His	Gly	Ile	Val	Asn	His	Ser	Met	Met	Thr	
3016					245					250				255			
3018	Leu	His	Ile	Asp	Asn	Leu	Ser	Gly	Lys	Asn	Ala	His	His	Gln	Ala	Glu	
3019			260						265				270				
3021	Thr	Val	Phe	Lys	Ala	Phe	Gly	Arg	Ala	Leu	Arg	Met	Ala	Val	Glu	His	
3022		275						280				285					
3024	Asp	Pro	Arg	Met	Ala	Gly	Gln	Thr	Pro	Ser	Thr	Lys	Gly	Thr	Leu	Thr	
3025		290					295					300					
3027	Ala																
3028	305																

E--&gt; 3030

50

*Delete*

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/584,367

DATE: 07/07/2006

TIME: 14:40:13

Input Set : N:\KEISHA\10584367.txt

Output Set: N:\CRF4\07072006\J584367.raw

L:4 M:283 W: Missing Blank Line separator, &lt;120&gt; field identifier

L:9 M:270 C: Current Application Number differs, Missing <140> CURRENT APPLICATION  
NUMBER: is Added.

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:12 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD

L:3030 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:56

10/584,367

4

<210> 53

<211> 867

<212> PRT

<213> Neisseria meningitidis serogroup B NMB0062 DNA sequence

<400> 53

"PRT" does not designate  
a DNA  
sequence

10/584,367

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CRF OF SEQUENCE LISTING  
SUBMITTED UNDER 37 CFR §1.821(e) IN  
COMPLIANCE WITH 37 CFR §1.824

Title: Identification of antigenically important Neisseria Antigens  
by Screening Insertional Mutant Libraries with Antiserum

*inventor  
title*

*docket no.*



Inventors: Tang, et al.  
U.S. Serial No. ~~888~~ 10/584,367  
Reference No. 06-45  
Creation Date of CD: June 23, 2006  
IBM Compatible; MS-Windows/DOS